

WHAT IS CLAIMED IS:

1. A crystallized glass for an optical filter substrate, which has an average linear expansion coefficient α_L of from $95 \times 10^{-7}/^{\circ}\text{C}$ to $130 \times 10^{-7}/^{\circ}\text{C}$ at from -30°C to 70°C and
 5 which has a crystal or solid solution of $\text{Na}_{4-x}\text{K}_x\text{Al}_4\text{Si}_4\text{O}_{16}$ ($1 < x \leq 4$) precipitated therein.

2. The crystallized glass for an optical filter substrate according to Claim 1, which consists, as represented by mol% based on the following oxides,
 10 essentially of:

	SiO_2 :	30 to 65%,
	Al_2O_3 :	5 to 35%,
	$\text{TiO}_2 + \text{ZrO}_2$:	1 to 15%,
	Na_2O :	0 to 30%,
15	K_2O :	5 to 30%,
	Li_2O :	0 to 15%,
	MgO :	0 to 15%,
	CaO :	0 to 15%,
	SrO :	0 to 15%,
20	BaO :	0 to 15%,
	ZnO :	0 to 15%,
	B_2O_3 :	0 to 15%,
	P_2O_5 :	0 to 15%,
	Y_2O_3 :	0 to 15%.

25 3. The crystallized glass for an optical filter substrate according to Claim 1, which has an average linear expansion coefficient α_H of from $80 \times 10^{-7}/^{\circ}\text{C}$ to

$155 \times 10^{-7}/^{\circ}\text{C}$ at. from 190°C to 220°C .

4. The crystallized glass for an optical filter substrate according to Claim 1, wherein α_H is from $110 \times 10^{-7}/^{\circ}\text{C}$ to $145 \times 10^{-7}/^{\circ}\text{C}$.

5. The crystallized glass for an optical filter substrate according to Claim 1, which has a Young's modulus of at least 85 GPa.

6. The crystallized glass for an optical filter substrate according to Claim 1, which has an absorptivity coefficient of at most 0.03 mm^{-1} for a light having a wavelength of 1550 nm.

7. An optical filter comprising an optical filter substrate made of the crystallized glass for an optical filter substrate as defined in Claim 1, and a dielectric multilayer film formed on the substrate.

8. A crystallized glass for an optical filter substrate, which consists, as represented by mol% based on the following oxides, essentially of:

	SiO ₂ :	5 to 60%,
20	Al ₂ O ₃ :	10 to 30%,
	TiO ₂ +ZrO ₂ :	1 to 15%,
	Na ₂ O:	4 to 20%,
	K ₂ O:	4 to 20%,
	CaO+SrO+BaO	0.1 to 10%,
25	MgO:	0 to 10%,
	B ₂ O ₃ :	0 to 10%,
	P ₂ O ₅ :	0 to 10%,

and which has an average linear expansion coefficient α_L of from $95 \times 10^{-7}/^{\circ}\text{C}$ to $130 \times 10^{-7}/^{\circ}\text{C}$ at from -30°C to 70°C and which has a crystal or solid solution precipitated therein.

- 5 9. The crystallized glass for an optical filter substrate according to Claim 8, which has an average linear expansion coefficient α_H of from $80 \times 10^{-7}/^{\circ}\text{C}$ to $155 \times 10^{-7}/^{\circ}\text{C}$ at from 190°C to 220°C .
- 10 10. The crystallized glass for an optical filter substrate according to Claim 8, wherein α_H is from $110 \times 10^{-7}/^{\circ}\text{C}$ to $145 \times 10^{-7}/^{\circ}\text{C}$.
11. The crystallized glass for an optical filter substrate according to Claim 8, which has a Young's modulus of at least 85 GPa.
- 15 12. The crystallized glass for an optical filter substrate according to Claim 8, which has an absorptivity coefficient of at most 0.03 mm^{-1} for a light having a wavelength of 1550 nm.
- 20 13. An optical filter comprising an optical filter substrate made of the crystallized glass for an optical filter substrate as defined in Claim 8, and a dielectric multilayer film formed on the substrate.